

# Applicant Copy

INFORMATION DISCLOSURE STATEMENT BY APPLICANT  FORM PTO-1449	Attorney Docket No.: <b>Mirus.42.02</b>	Serial No.: <b>10765,668</b>
	Applicant: <b>David B. Rozema, Darren Wakefield</b>	Group: <b>1636</b>
	Examiner: <b>Jennifer Dunston</b>	



## U.S. PATENT DOCUMENTS

Exmnr Intl	Seq	Patent Number	Issue Date	Patentee	Class	Sub Class	Filing Date

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION



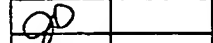
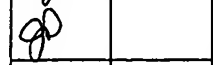

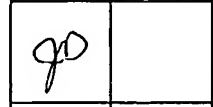
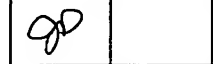
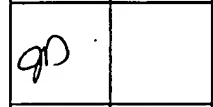
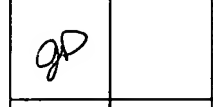
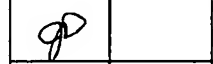
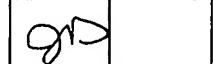
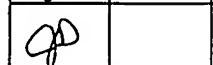
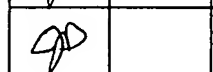
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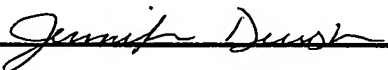
## OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, etc.)

90		Akhtar S et al. "Interactions of antisense DNA oligonucleotide analogs with phospholipid membranes liposomes." Nucleic Acids Res; 1991 Vol. 19 no. 20 pp. 5551-5559.
90		Akhtar S et al. "The delivery of antisense therapeutics." Adv Drug Deliv Rev; 2000 Vol. 44 no. 1 pp. 3-21.
90		Audouy S et al. "Cationic lipid-mediated transfection in vitro and in vivo." Mol Membr Biol; 2001 Vol. 18 no. 2 pp. 129-143.
90		Berg T et al. "Physiological functions of endosomal proteolysis." Biochem J; 1995 Vol. 307 no. 2 pp. 313-326.
90		Borszeky K et al. "Enantioselective hydrogenation of [α],[β]-unsaturated acids. Substrate-modifier interaction over cinchonidine modified Pd/Al <sub>2</sub> O <sub>3</sub> ." Tetrahedron Asymmetry; 1997 Vol. 8 no. 22 pp. 3745-3753.
90		Carrasco L "Entry of animal viruses and macromolecules into cells." FEBS Lett; 1994 Vol. 350 no. 2-3 pp. 151-154.
90		Cheung CY et al. "A pH-sensitive polymer that enhances cationic lipid-mediated gene transfer." Bioconjug Chem; 2001 Vol. 12 no. 6 pp. 906-910.
90		Danko I et al. "High expression of naked plasmid DNA in muscles of young rodents." Hum Mol Genet; 1997 Vol 6 no. 9 pp. 1435-1443
90		Ghosh C et al. "Intracellular delivery strategies for antisense phosphorodiamidate morpholino oligomers." Antisense Nucleic Acid Drug Dev; 2000 Vol. 10 no. 4 pp. 263-274.
90		Giles RV et al. "Antisense morpholino oligonucleotide analog induces missplicing of C-myc mRNA." Antisense Nucleic Acid Drug Dev; 1999 Vol. 9 no. 2 pp. 213-220.
90		Heasman J et al. "Beta-catenin signaling activity dissected in the early Xenopus embryo: a novel antisense approach." Dev Biol; 2000 Vol. 222 no. 1 pp. 124-34.
90		Hope MJ et al. "Cationic lipids, phosphatidylethanolamine and the intracellular delivery of polymeric, nucleic acid-based drugs." Mol Membr Biol; 1998 Vol. 15 no. 1 pp. 1-14.
90		Kang SH et al. "Up-regulation of luciferase gene expression with antisense oligonucleotides: implications and applications in functional assay development." Biochemistry; 1998 Vol. 37 no. 18 pp. 6235-6239.
90		Kyriakides TR et al. "pH-sensitive polymers that enhance intracellular drug delivery in vivo." J Control Release; 2002 Vol. 78 no. 1-3 pp. 295-303.
90		Lackey CA et al. "Hemolytic Activity of pH-Responsive Polymer-Streptavidin Bioconjugates." Bioconjugate Chem; 1999 Vol. 10 no. 3 pp. 401.
90		Lackey et al. "A biomimetic pH-responsive polymer directs endosomal release and intracellular delivery of an endocytosed antibody complex." Bioconjug Chem. 2002 Vol. 13 No. 5 pp. 996-1001.

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	Lai MZ et al. "Effects of replacement of the hydroxyl group of cholesterol and tocopherol on the thermotropic behavior of phospholipid membranes." Biochemistry; 1985 Vol. 24 no. 7 pp. 1646-1653.
	Lai MZ et al. "Acid- and calcium-induced structural changes in phosphatidylethanolamine membrane stabilized by cholesteryl hemisuccinate." Biochem 1985 Vol. 25 pp. 1654-1661.
	Maeda H et al. "Mechanism of tumor-targeted delivery of macromolecular drugs, including the EPR effect in solid tumor and clinical overview of the prototype polymeric drug SMANCS." J Control Release; 2001 Vol. 74 pp. 47-61
	Mukherjee S et al. "Endocytosis." Physiol Rev; 1997 Vol. 77 no. 3 pp. 759-803.
	Murthy N et al. "The design and synthesis of polymers for eukaryotic membrane disruption." J Control Release 1999 Vol. 61 pp. 137-143.
	Nasevicius A et al. "Effective targeted gene 'knockdown' in zebrafish." Nat Genet; 2000 Vol. 26 no. 2 pp. 216-220.
	Oda T et al. "Facilitated internalization of neocarzinostatin and its lipophilic polymer conjugate, SMANCS, into cytosol in acidic pH." J Natl Cancer Inst; 1987 Vol. 79 no. 6 pp. 1205-1211
	Plank C et al. "Application of membrane-active peptides for drug and gene delivery across cellular membranes." Adv Drug Deliv Rev 1998 Vol. 34 no. 1 pp. 21-35.
	Plank C. et al. "The influence of endosome-disruptive peptides on gene transfer using synthetic virus-like gene transfer systems." J Biol Chem 1994 Vol. 269 No. 17 pp. 12918-12924.
	Robaczewska MS et al. "Inhibition of hepadnaviral replication by polyethylenimine-based intravenous delivery of antisense phosphodiester oligodeoxynucleotides to the liver." Gene Ther; 2001 Vol. 8 no. 11 pp. 874-881.
	Skehel JJ et al. "Receptor binding and membrane fusion in virus entry: the influenza hemagglutinin." Annu Rev Biochem; 2000 Vol. 69 pp. 531-569.
	Summerton J et al. "Morpholino antisense oligomers: design, preparation, and properties." Antisense Nucleic Acid Drug Dev; 1997 Vol. 7 no. 3 pp. 187-195.
	Wolff JA et al. "Direct gene transfer into mouse muscle in vivo." Science 1990 Vol. 247 pp. 1465-1468.
	Zuber G et al. "Towards synthetic viruses." Adv Drug Deliv Rev; 2001 Vol. 52 no. 3 pp. 245-253.

Examiner: 	Date Considered: 1/12/05
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